Bruhat Bengaluru
Mahanagara Palike

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work :- Modified Estimate for Constuction of Samudaya Bhavana near Veeranjaneya Temple in Someshwara ward no-03 of Yelahanaka Satellite town sub division

Modified Cost RS :- 38.60 Lakh's

Agency:-SRI.KISHORE KUMAR M (V K INFRASTRUCTURE) No 520,1st Main Road Chikka Bommasandra,GKVK Post,Yelahanka New Town,Bangalore-560064.

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S.No	Description of Item	Mesurement					Qty	Rate	Amount
		Unit	No	L	B	D			
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material to the appropriate disposal area as per direction of Engineer-in-charge. (PWD SR 2021-22 Vol -2 Pg 165 item no 19.27.2)								
	A C Sheets	Sqm	1	8.00	6.00		48.00		
							48.00	413.00	**19824.00**
2	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking to the appropriate disposal area as per direction of Engineerin-charge. (PWD SR 2021-22 Vol -2,Pg 164 Item No.19.12.2)								
	W	Sqm	1	4.10		1.03	4.22		
	D		1	1.36		2.16	2.94		
	D1		1	0.85		2.10	1.79		
	D2		1	0.90		2.10	1.89		
	V		1	0.75		0.60	0.45		
							11.29	204.00	**2302.26**
3	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.(PWD SR 2021-22 Vol -2 Pg 163 item No. 19.7.3)								
	Wall's:-Hall	Cum	2	7.50	0.20	3.60	10.80		
			3	5.26	0.20	3.60	11.36		
							22.16		
	(-)Deduction:-W		1	4.10	0.20	1.03	0.84		
	D		1	1.36	0.20	2.16	0.59		
	D1		1	0.85	0.20	2.10	0.36		
	D2		1	0.90	0.20	2.10	0.38		
	V		1	0.75	0.20	0.60	0.09		
							2.26		
							19.90	840.00	**16719.76**
4	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge (PWD SR 2021-22 Vol -2 Pg 163 Item no 19.2.1)								
	Flooring	Cum	1	7.50	5.26	0.20	7.89		
							7.89	1358.00	**10714.62**
5	Demolishing stone rubble masonry manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineerin-charge. (PWD SR 2021-22 Vol- 2 P.No -163 / I.No -19.9.2)								
	SSM:-Hall	Cum	2	7.50	0.75	1.00	11.25		
			3	5.26	0.75	1.00	11.84		
							23.09	1376.00	**31764.96**
6	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m (PWD SR 2021-22 Vol -I Pg 5 item No. 1.4.2)								
	Footings	Cum	6	3.00	2.70	1.95	94.77		
	SSM Foundation:- Long wall's		2	7.90	0.80	0.90	11.38		
	Short Wall's		3	5.45	0.80	0.90	11.77		
	New Building,Surrounding Levelling		1	5.40	2.25	0.15	1.82		
			1	12.10	2.50	0.15	4.54		
			1	5.40	2.65	0.15	2.15		
	Supporting Wall's		1	2.25	0.25	0.30	0.17		

			1	2.10	0.25	0.30	0.16		
			1	12.00	0.25	0.30	0.90		
	Sanitary Tench		1	9.00	0.70	1.20	7.56		
							135.21		
		A)Up to125% of quantity					**119.38**	221.00	**26381.88**
		B)Above 125% of quantity					**15.84**	211.22	**3344.77**
	Basic Rate	199.00							
	Area Weightage 10%	19.90							
	Sub Total	218.90							
	Tender premium(-3.51%)	-7.68							
	Total Rs	211.22							
7	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. Specification No. (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 6.4)								
	Footings	Cum	6	3.00	2.70	0.10	4.86		
							4.86	2484.00	**12072.24**
8	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates.Specification (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	Footings	Cum	6	3.00	2.70	0.12	5.83		
	SSM Foundation:- Long wall's		2	7.90	0.75	0.10	1.19		
	Short Wall's		3	5.45	0.75	0.10	1.23		
	Flooring:-Kitchen		1	5.20	4.90	0.12	3.06		
	Store		1	1.35	4.90	0.12	0.79		
	New Building,Surrounding Concreting		1	5.40	2.25	0.10	1.22		
			1	12.10	2.50	0.10	3.03		
			1	5.40	2.65	0.10	1.43		
	Supporting Wall's		1	2.25	0.25	0.10	0.06		
			1	2.10	0.25	0.10	0.05		
			1	12.00	0.25	0.10	0.30		
							18.17		
		A)Up to125% of quantity					**11.90**	5925.00	**70507.50**
		B)Above 125% of quantity					**6.27**	5894.96	**36987.34**
	Basic Rate	5554.00							
	Area Weightage 10%	555.40							
	Sub Total	6109.40							
	Tender premium(-3.51%)	-214.44							
	Total Rs	5894.96							
9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates (PWD SR 2021-22 Vol -I Pg 15 item no 2.1.3)								
	Basement Coping:- Long wall's	Cum	2	7.60	0.45	0.10	0.68		
	Short Wall's		3	5.45	0.45	0.10	0.74		
	New Building,Surrounding Concreting		1	5.40	2.25	0.10	1.22		
			1	12.10	2.50	0.10	3.03		
			1	5.40	2.65	0.10	1.43		
							7.09		

				A)Up to125% of quantity			**1.98**	5925.00	**11701.88**
				B)Above 125% of quantity			**5.12**	6470.23	**33100.10**
	Basic Rate	6096.00							
	Area Weightage 10%	609.60							
	Sub Total	6705.60							
	Tender premium(-3.51%)	-235.37							
	Total Rs	6470.23							
10	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) (Vol 2/ P No-9/ I no- 5.4 of PWD SR 2021-22)								
	Foundation 1st footing:- Long wall's	Cum	2	7.85	0.70	0.35	3.85		
	Short Wall's		3	5.55	0.70	0.35	4.08		
	2nd footing:- Long wall's		2	7.75	0.60	0.45	4.19		
	Short Wall's		3	5.60	0.60	0.45	4.54		
	Basement:- Long wall's		2	7.60	0.45	0.20	1.37		
	Short Wall's		3	5.45	0.45	0.20	1.47		
							19.49		
				A)Up to125% of quantity			**14.79**	5710.00	**84436.63**
				B)Above 125% of quantity			**4.70**	5680.56	**26691.53**
	Basic Rate	5352.00							
	Area Weightage 10%	535.20							
	Sub Total	5887.20							
	Tender premium(-3.51%)	-206.64							
	Total Rs	5680.56							
11	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. ((PWD SR 2021-22 Vol- 1 P.No -7 / I.No -1.9)								
	Earth Work Excavation	Cum	Qty Vide Item No-06				**135.21**		
	(-)Deductions								
	PCC for Footing		Qty Vide Item No-08				8.35		
	Filling in foundation with granite / trap broken metal		Qty Vide Item No-07				4.86		
	SSM Footing		Qty Vide Item No-10				16.65		
	Footing Pedestal's &column's Concrete Quantity		Qty Vide Item No-14				30.74		
							60.59		
							74.62		
				A)Up to125% of quantity			**52.45**	217.00	**11381.65**
				B)Above 125% of quantity			**22.17**	216.52	**4799.58**
	Basic Rate	204.00							
	Area Weightage 10%	20.40							
	Sub Total	224.40							
	Tender premium(-3.51%)	-7.88							
	Total Rs	216.52							
12	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3) (PWD SR 2021-22 Vol-III Page No.3, Item No.1.1C)								
	Excavated Earth	Cum	Qty Vide Item No-06				**135.21**		
	Filling Available of Excavated Earth		Qty Vide Item No-11				74.62		
							60.59	78.00	**4726.35**
13	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km (PWD SR 2021-22 Vol-III Page No.3, Item No.1.4A)								
		t.Km		60.59		1.28	77.56		
							77.56	101.00	**7833.62**

14	Providing and laying in position Reinforced cement concrete for all **Sub structures of building,** Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) **M25** Design Mix Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.4.3 of PWD SR 2021-22)								
	Footings	Cum	6	3.00	2.70	0.60	29.16		
	Pedestal's		6	0.60	0.60	0.60	1.30		
	Column below plinth		6	0.23	0.45	0.45	0.28		
	Plint Beam		2	7.50	0.23	0.45	1.55		
			3	5.20	0.23	0.45	1.61		
							33.90	6904.00	**234063.21**
15	Providing and laying in position Reinforced cement concrete for all **Super structures of building** , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) **M25 Design Mix** Using 20 mm nominal size graded crushed coarse aggregates (Vol 2/ P No-17/ I no- 2.5.2 of PWD SR 2021-22)								
	Ground Floor:-Columns	Cum	6	0.23	0.45	2.10	1.30		
			6	0.23	0.45	1.30	0.81		
							2.11	7260.00	**15328.76**
16	Slab.	Cum							
	Roof		1	7.50	5.40	0.15	6.08		
							6.08	7920.00	**48114.00**
17	Beams.	Cum							
	Tie Beam Alround:-Long Wall's		1	7.50	0.23	0.30	0.52		
	Short Wall's		3	5.20	0.23	0.30	1.08		
							1.59	7920.00	**12623.69**
18	Lintel.	Cum							
	Long Wall's		1	7.50	0.23	0.20	0.35		
	Short Wall's		2	5.20	0.23	0.20	0.48		
	Partition Wall		1	5.20	0.10	0.20	0.10		
							0.93	7920.00	**7345.01**
19	Chejja	Cum							
	Front		1	3.50	0.45	0.10	0.16		
	Sides		1	1.65	0.45	0.10	0.07		
			1	3.20	0.45	0.10	0.14		
			1	1.35	0.45	0.10	0.06		
							0.44		
		A)Up to125% of quantity					**0.28**	9570.00	**2631.75**
		B)Above 125% of quantity					**0.16**	9520.35	**1537.54**
	Basic Rate	6186.00							
	Add 45% for Shuttering	2783.70							
	Sub total	**8969.70**							
	Area Weightage 10%	896.97							
	Sub Total	**9866.67**							
	Tender premium(-3.51%)	-346.32							
	Total Rs	**9520.35**							
20	First Floor Column's								
	First Floor:-Columns	Cum	6	0.23	0.45	2.10	1.30		
			6	0.23	0.45	1.30	0.81		
							2.11	7332.00	**15480.78**

21	Slab.	Cum							
	Roof		1	7.50	5.40	0.15	6.08		
							6.08	7999.00	**48593.93**
22	Beams.	Cum							
	Tie Beam Alround:-Long Wall's		1	7.50	0.23	0.30	0.52		
	Short Wall's		3	5.20	0.23	0.30	1.08		
							1.59	7999.00	**12749.61**
23	Lintel.	Cum							
	Long Wall's		1	7.50	0.23	0.20	0.35		
	Short Wall's		2	5.20	0.23	0.20	0.48		
	Partition Wall		2	5.20	0.10	0.20	0.21		
			1	1.20	0.10	0.20	0.02		
							1.06	7999.00	**8442.14**
24	Chejja	Cum							
	Sides		2	1.35	0.45	0.10	0.12		
	Inside Self's		2	2.80	0.45	0.10	0.25		
							0.37		
		A)Up to125% of quantity					**0.28**	9666.00	**2658.15**
		B)Above 125% of quantity					**0.10**	10472.38	**1031.53**
	Basic Rate	6186.00							
	Add 45% for Shuttering	2783.70							
	Sub total	**8969.70**							
	Area Weightage 10%	896.97							
	Sub Total	**9866.67**							
	Add 10% of Lift Charges First Floor	986.67							
	Sub total	**10853.34**							
	Tender premium(-3.51%)	-380.95							
	Total Rs	**10472.38**							
25	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) (Vol- 1 P.No. 84/I.No. 11.32 of PWD SR 2021-22 1st Corrigenda)								
	Ground floor:- Footing.Colums & Plinth Beam	Kg	Quantity Vide Item No-14				33.90		
	Column		Quantity Vide Item No-15				2.11		
	Beam		Quantity Vide Item No-16				6.08		
	Roof Slab		Quantity Vide Item No-17				1.59		
	Lintel		Quantity Vide Item No-18				0.93		
	Chejja		Quantity Vide Item No-19				0.44		
							45.05		
	(140 Kg/1 Cum)		1	**45.05**	**140.00**		**6306.55**		
		A)Up to125% of quantity					**6056.54**	101.00	**611710.29**
		B)Above 125% of quantity					**250.01**	101.89	**25474.12**
	Basic Rate	96.00							
	Area Weightage 10%	9.60							
	Sub total	**105.60**							
	Tender premium(-3.51%)	-3.71							
	Total Rs	**101.89**							
26	First Floor	Kg							
	Column		Quantity Vide Item No-20				2.11		
	Beam		Quantity Vide Item No-21				6.08		
	Roof Slab		Quantity Vide Item No-22				1.59		
	Lintel		Quantity Vide Item No-23				1.06		
	Chejja		Quantity Vide Item No-24				0.37		

							11.21		
	(130 Kg/1 Cum)		1	**11.21**	**130.00**		**1457.20**	149.00	**217122.20**
27	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.32 of PWD SR 2021-22)								
	Ground Floor:-Long wall's	Sqm	1	7.50		3.90	29.25		
	Short Wall's		2	5.10		3.90	39.78		
							69.03		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
	Ground Floor:-Columns		5	0.23		2.10	2.42		
			5	0.23		1.30	1.50		
	Lintel:-Long Wall's		1	7.50		0.20	1.50		
	Short Wall's		2	5.20		0.20	2.08		
	Tie Beam's:-Long Wall's		2	7.50		0.30	4.50		
	Short Wall's		3	5.20		0.30	4.68		
							26.39		
							42.64	1275.00	**54366.00**
28	First Floor	Sqm							
	Long wall's		1	7.50		3.90	29.25		
	Short Wall's		2	5.00		3.90	39.00		
							68.25		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	Open		1	0.30		0.75	0.23		
	First Floor:-Columns		5	0.23		2.10	2.42		
			5	0.23		1.30	1.50		
	Lintel:-Long Wall's		1	7.50		0.20	1.50		
	Short Wall's		2	5.20		0.20	2.08		
	Tie Beam's:-Long Wall's		2	7.50		0.30	4.50		
	Short Wall's		3	5.20		0.30	4.68		
							19.78		
							48.48	1288.00	**62435.80**
29	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x100x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.34 of PWD SR 2021-22)								
	Ground Floor:-Partition Wall	Sqm	1	5.00		3.90	19.50		
							19.50		
	(-)Deduction								
	D1		1	0.90		2.10	1.89		
							17.61	1002.00	**17645.22**
30	First Floor	Sqm							
	Partition Wall		2	5.20		3.90	40.56		
			1	1.20		3.90	4.68		
							45.24		
	(-)Deduction								
	D2		2	0.75		2.10	3.15		
							42.09	1012.00	**42595.08**
31	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (Vol 2/ P No-17/ I no- 6.33 of PWD SR 2021-22)								
	Parapet Wall	Sqm	1	7.50		0.90	6.75		
			2	5.20		0.90	9.36		

	Supporting Wall's		1	2.25		0.60	1.35		
			1	2.10		0.60	1.26		
			1	12.00		0.60	7.20		
	Old Toilet Block Parapet Wall		2	8.50		0.20	3.40		
			2	1.80		0.20	0.72		
							30.04	1137.00	**34155.48**
32	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge (Vol 2/ P No-41/ I no- 8.3.1 of PWD SR 2021-22)								
	Ground Floor:-External Plastering	Sqm							
	Long wall's		2	7.50		4.20	63.00		
	Short Wall's		2	5.40		4.20	45.36		
	Front		1	3.50	0.45		1.58		
	Sides		1	1.65	0.45		0.74		
			1	3.20	0.45		1.44		
			1	1.35	0.45		0.61		
	Old Toilet Block Parapet Wall		2	8.50		0.45	7.65		
			2	1.80		0.45	1.62		
	Roof Surface		1	7.00	5.20		36.40		
			1	7.80	1.80		14.04		
							172.44		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
							9.72		
							162.72	318.00	**51743.37**
33	First Floor	Sqm							
	Long wall's		2	7.50		4.80	72.00		
	Short Wall's		2	5.40		4.80	51.84		
	Parapet Wall		1	7.50		1.10	8.25		
			2	5.20		1.10	11.44		
	Sides		4	1.35	0.45		2.43		
	Inside Self's		4	2.80	0.45		5.04		
							151.00		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	Open		1	0.30		0.75	0.23		
							3.11		
							147.90		
		A)Up to125% of quantity					**118.59**	322.00	**38185.18**
		B)Above 125% of quantity					**29.31**	349.09	**10230.99**
	Basic Rate	299.00							
	Area Weightage 10%	29.90							
	Sub Total	**328.90**							
	Add 10% of Lift Charges First Floor	32.89							
	Sub total	**361.79**							
	Tender premium(-3.51%)	-12.70							
	Total Rs	**349.09**							
34	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 42 item no 8.9)								
	Ground Floor:-Internal Plastering	Sqm							
	Kitchen		1	5.35		3.90	20.87		
			2	5.00		3.90	39.00		

	Store		1	1.50		3.90	5.85		
			2	5.00		3.90	39.00		
	Column		1	1.45		3.90	5.66		
							110.37		
	(-)Deduction								
	D		1	1.20		2.10	2.52		
	W		4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	V		1	0.60		0.60	0.36		
							9.72		
							100.65	343.00	**34522.95**
35	First Floor	Sqm							
	Room1		2	2.80		3.90	21.84		
			2	5.00		3.90	39.00		
	Toilet		2	1.15		3.90	8.97		
			2	2.05		3.90	15.99		
	Room2		2	2.80		3.90	21.84		
			2	5.00		3.90	39.00		
	Toilet		2	1.15		3.90	8.97		
			2	2.85		3.90	22.23		
							177.84		
	(-)Deduction								
	W		2	1.20		1.20	2.88		
	Open		1	0.30		0.75	0.23		
							3.11		
							174.74	346.00	**60458.31**
36	Providing 12mm thick cement plaster in floating coat of neat cement of mix :1:4 to Brick masonry including rounding off corners wherever reduired smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per diredtion of Engineer-in-charge(PWD SR 2021-22 Vol -II Pg 41 item no 8.4.2)								
	Ground Floor:-Cealing								
	Kitchen	Sqm	1	5.00	5.35		26.75		
	Store Room		1	5.00	1.50		7.50		
							34.25	279.00	**9555.75**
37	First Floor	Sqm							
	Room1		1	2.80	5.00		14.00		
	Toilet		1	1.15	2.05		2.36		
	Room2		1	2.80	5.00		14.00		
	Toilet		1	1.15	2.85		3.28		
							33.64	282.00	**9485.07**
38	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.(PWD SR 2021-22 Vol -II Pg 50 item no 8.51)								
	Ground Floor	Sqm							
	Internal Plastering		Quantity Vide Item No-34				100.65		
	Cealing		Quantity Vide Item No-36				34.25		
							134.90	88.00	**11871.20**
39	First Floor	Sqm							
	Internal Plastering		Quantity Vide Item No-35				174.74		
	Cealing		Quantity Vide Item No-37				33.64		
							208.37	88.00	**18336.56**
40	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :Two coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 48 item no 8.41)								
	Ground Floor:-Internal painting	Sqm	Quantity Vide Item No-38				134.90		
	Old Toilet		5	6.00		0.90	27.00		

	Old Building		2	12.00		3.90	93.60		
			2	7.00		3.90	54.60		
	Cealing		1	12.00	7.00		84.00		
	Projection Roof		1	12.00	1.50		18.00		
	Staire Case		2	4.20	1.50		12.60		
			1	2.40	1.50		3.60		
							428.30		
	(-)Deduction								
	D		1	2.10		2.10	4.41		
	D1		1	0.90		2.10	1.89		
	W		7	1.50		1.20	12.60		
	V		7	1.50		0.45	4.73		
							23.63		
							404.68		
		A)Up to125% of quantity					**189.10**	138.00	**26095.80**
		B)Above 125% of quantity					**215.58**	137.98	**29745.19**
	Basic Rate	130.00							
	Area Weightage 10%	13.00							
	Sub Total	143.00							
	Tender premium(-3.51%)	-5.02							
	Total Rs	137.98							
41	First Floor	Sqm							
	Internal painting		Quantity Vide Item No-39				208.37		
	Old Building		2	12.00		3.90	93.60		
			2	7.00		3.90	54.60		
	Cealing		1	12.00	7.00		84.00		
	Projection Roof		1	12.00	1.50		18.00		
	Staire Case		2	4.20	1.50		12.60		
			1	2.40	1.50		3.60		
							474.77		
	(-)Deduction								
	D		1	2.10		2.10	4.41		
	D1		1	0.90		2.10	1.89		
	W		7	1.50		1.20	12.60		
	V		7	1.50		0.45	4.73		
							23.63		
							451.15		
		A)Up to125% of quantity					**285.89**	139.00	**39738.36**
		B)Above 125% of quantity					**165.26**	139.36	**23030.37**
	Basic Rate	130.00							
	Add Lift Charges for first floor	1.30							
	Sub Total	**131.30**							
	Area Weightage 10%	13.13							
	Sub Total	**144.43**							
	Tender premium(-3.51%)	-5.07							
	Total Rs	**139.36**							
42	Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.30)								
	External painting:-Ground Floor	Sqm	Quantity Vide Item No-32				112.18		
	Toilet Block		2	8.50		2.40	40.80		
			2	2.20		2.40	10.56		
	Old Building		2	12.50		3.90	97.50		
			2	7.50		3.90	58.50		

	Front Parapet Wall		2	12.00		1.00	24.00		
							343.54		
	(-)Deduction								
	D		1	2.10		2.10	4.41		
	D1		1	0.90		2.10	1.89		
	W		7	1.50		1.20	12.60		
	V		7	1.50		0.45	4.73		
							23.63		
							319.91		
		A)Up to125% of quantity					**214.14**	143.00	**30621.66**
		B)Above 125% of quantity					**105.77**	144.35	**15268.16**
	Basic Rate	136.00							
	Area Weightage 10%	13.60							
	Sub Total	**149.60**							
	Tender premium(-3.51%)	-5.25							
	Total Rs	**144.35**							
43	First Floor	Sqm							
	External painting:-First Floor		Quantity Vide Item No-33				147.90		
	Old Building		2	12.50		3.90	97.50		
			2	7.50		3.90	58.50		
	Front Parapet Wall		2	40.00		1.00	80.00		
							383.90		
	(-)Deduction								
	D		1	2.10		2.10	4.41		
	D1		1	0.90		2.10	1.89		
	W		7	1.50		1.20	12.60		
	V		7	1.50		0.45	4.73		
							23.63		
							360.27	150.00	**54040.50**
44	Providing and laying Cement concrete flooring 40 mm thick with 20mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete.(PWD SR 2021-22 Vol -II Pg 59 item no 9.1)								
	Ground Floor:-Kitchen	Sqm	1	5.00	5.35		26.75		
	Store Room		1	1.50	5.00		7.50		
	Old Toilet		5	1.50	1.80		13.50		
							47.75	426.00	**20341.50**
45	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates(PWD SR 2021-22 Vol -I Pg 17 item no 2.4.1)								
	Ground Floor:-Kitchen	Sqm	1	5.00	5.35	0.12	3.21		
	Store Room		1	1.50	5.00	0.12	0.90		
							4.11	6273.00	**25782.03**
46	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. (PWD SR 2021-22 Vol -II Pg 63 item no 9.24)								
	Ground Floor:-Kitchen	Sqm	1	5.30	5.60		29.68		
	Store Room		1	1.70	5.30		9.01		
							38.69	3062.00	**118468.78**

47	First Floor								
		Sqm							
	Room1		1	3.00	5.40		16.20		
	Room2		1	3.00	5.40		16.20		
							32.40	3092.00	**100180.80**
.48	Ceramic tile flooring, with under layer 12 mm thick cement mortar 1:4 (1cement: 4 coarse sand), with joints not exceeding 5 mm, including filling the gaps with ordinary cement mixture & mixing with synthetic polyester fibre, triangular in shape having specific gravity of 1.34 to 1.40, cross section size ranging from 10 to 40 micron & length upto 6 mm , mixing fibre @ 125 g per 50 kg of cement in cement mortar, including providing and mixing water proofing material in mortar @ 1 kg per 50 kg of cement, all complete as per direction of Engineer-in-charge.(Vol 2/ P No-61/ I no-9.15 of PWD SR 2021-22)								
	For Toilet flooring	Sqm	2	1.20	2.40		5.76		
	Old Toilet		3	1.50	1.80		8.10		
							13.86		
		A)Up to125% of quantity					**3.75**	621.00	**2328.75**
		B)Above 125% of quantity					**10.11**	618.55	**6253.50**
	Basic rate	577.00							
	Add lift charges for First Floor	5.77							
	sub total	**582.77**							
	Area Weightage 10%	58.28							
	Sub Total	**641.05**							
	Tender premium(-3.51%)	-22.50							
	Total Rs	**618.55**							
49	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications.(PWD SR 2021-22 Vol -II Pg 65 item no 9.39)								
	Cladding Tiles:-Short wall	Sqm	4	1.20		2.10	10.08		
	Long wall		4	2.40		2.10	20.16		
							30.24		
	D2		2	0.75		2.10	3.15		
							27.09	1111.67	**30115.09**
	Basic rate	1037.00							
	Add lift charges for First Floor	10.37							
	sub total	**1047.37**							
	Area Weightage 10%	104.74							
	Sub Total	**1152.11**							
	Tender premium(-3.51%)	-40.44							
	Total Rs	**1111.67**							
50	Providing and fixing fiber glass reinforced plastic(FRP) Door frames of cross-section 90mm x 45mm having single rebate of 32mm x 15mm to receive shutter of 30mm thickness. The laminate shall be moulded with fire resistant grade unsaturated polyrster resin and chopped mat. Door frame laminate shall be 2mm thick and shall be filled with suitable wooden block in all the three legs. The frames shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame (PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 12.98)								
	D1	Mtr	7	5.70			39.90		
							39.90	669.74	**26722.51**
	Basic rate	631.00							
	Area Weightage 10%	63.10							
	Sub Total	**694.10**							
	Tender premium(-3.51%)	-24.36							
	Total Rs	**669.74**							
51	Providing and fixing to existing door frames. 30mm thick glass fiber reinforced plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made ith fire-retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5mm thick FRP laminate for panels conforming to IS:14856, including fixing to frames(PWD SR 2021-22 Vol -2 CORRIGENDA,item No. 12.99.1)								
	D1	Sqm	7	0.75		2.10	11.03		
							11.03	3316.84	**36568.20**
	Basic rate	3125.00							
	Area Weightage 10%	312.50							

	Sub Total	**3437.50**							
	Tender premium(-3.51%)	-120.66							
	Total Rs	**3316.84**							
52	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. (PWD SR 2021-22 Vol -II Pg 99 item no 12.11)								
	Ground Floor:-D	Cum	2	1.80	0.125	0.10	0.05		
			2	2.10	0.125	0.10	0.05		
	D1		2	1.50	0.125	0.10	0.04		
			2	2.10	0.125	0.10	0.05		
							0.19	96449.00	**18084.19**
53	First Floor	Cum							
	D1		4	1.50	0.125	0.10	0.08		
			4	2.10	0.125	0.10	0.11		
							0.18	92413.00	**16634.34**
54	Providing and fixing in position Honnewood fully panelled shutters for windows with stiles and rails of 35mm. thick, 75mm wide in two halves with panels of 25mm thick including cost of materials, labour charges, usage charges complete as per specifications. (excluding cost of fixtures)(PWD SR 2021-22 Vol -II Pg 101 item no 12.23)								
	Ground Floor:-D	Sqm	1	1.20		2.10	2.52		
	D1		2	0.90		2.10	3.78		
							6.30	5529.00	**34832.70**
55	First Floor	Sqm							
	D1		3	0.90		2.10	5.67		
							5.67	5600.00	**31752.00**
56	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. (PWD SR 2021-22 Vol -II Pg 85 item no 11.34B)								
	Ground Floor:-W	Kg	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
							6.84		
				(21KG/1Sqm)			**143.64**	152.00	**21833.28**
57	First Floor								
	First Floor:-W	Kg	2	1.20		1.20	2.88		
							2.88		
				(21KG/1Sqm)			**60.48**	155.00	**9374.40**
58	Construction of Embankment by excavating the available approved Gravel/Murrum deposited at a place or borrow pits during or prior excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water,all materials,usage& all other appurtenaces required to complete the work.. (PWD SR 2021-22 Vol -I Pg 34 item no 1.16.3)								
	New Building,Surrounding	Cum	1	5.40	2.25	0.45	5.47		
			1	12.10	2.50	0.45	13.61		
			1	5.40	2.65	0.45	6.44		
							25.52	430.92	**10996.97**
	Basic rate	406.00							
	Area Weightage 10%	40.60							
	Sub Total	**446.60**							
	Tender premium(-3.51%)	-15.68							
	Total Rs	**430.92**							

59	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). (PWD SR 2021-22 Vol -II Pg 112 item no 12.9)								
	Ground Floor:-W	Kg	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
							6.84	7725.00	**52839.00**
60	First Floor	Kg							
	First Floor:-W		2	1.20		1.20	2.88		
							2.88	7800.00	**22464.00**
61	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). (PWD SR 2021-22 Vol -II Pg 110 item no 12.85)								
	V	Sqm	1	0.60		0.60	0.36		
							0.36	5247.00	**1888.92**
62	First Floor	Sqm							
	Open		1	0.30		0.75	0.23		
							0.23	5220.66	**1174.65**
	Basic rate	4870.00							
	Add lift charges for First Floor	48.70							
	sub total	**4918.70**							
	Area Weightage 10%	491.87							
	Sub Total	**5410.57**							
	Tender premium(-3.51%)	-189.91							
	Total Rs	**5220.66**							
62	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge. (PWD SR 2021-22 Vol -II Pg 47 item no 8.33.3)								
	Ground Floor:-W	Sqm	4	1.20		1.20	5.76		
	W1		1	0.90		1.20	1.08		
	First Floor:-W		2	1.20		1.20	2.88		
	Old Staircase Grill		8	4.20		0.90	30.24		
							39.96		
	A)Up to125% of quantity						**22.73**	110.00	**2499.75**
	B)Above 125% of quantity						**17.24**	112.51	**1939.06**
	Basic rate	106.00							
	Area Weightage 10%	10.60							
	Sub Total	**116.60**							
	Tender premium(-3.51%)	-4.09							
	Total Rs	**112.51**							
63	Painting wood work with Deluxe Multi Surface Paint of required shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @0.75 ltr/10 m² of approved brand and manufacture to give an even shade including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, sand papering and knotting , cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.(PWD SR 2021-22 Vol -II Pg 46 item no 8.33.2)								
	New Building,D	Sqm	2	1.20		2.10	5.04		
	D1		6	0.90		2.10	11.34		

	Old Building,GF:-D		2	2.10		2.10	8.82		
	D1		4	0.90		2.10	7.56		
	W		14	1.50		1.20	25.20		
	FF:-D		2	2.10		2.10	8.82		
	D1		2	0.90		2.10	3.78		
	W		14	1.50		1.20	25.20		
							95.76	111.45	**10672.06**
	Basic rate	105.00							
	Area Weightage 10%	10.50							
	Sub Total	**115.50**							
	Tender premium(-3.51%)	-4.05							
	Total Rs	**111.45**							
64	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. (PWD SR 2021-22 Vol -II Pg 133 item no 15.1)								
	New Building Terrace	Sqm	1	7.00	5.20		36.40		
	Old Toilet Terrace		1	8.00	1.95		15.60		
							52.00	794.00	**41288.00**
65	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) (PWD SR 2021-22 1st Corrigenda Vol II.SI No.12.Item No 13.34).								
	Sintex	Ltr	2000				2000.00		
							2000.00	8.50	**17000.00**
66	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid(PWD SR 2021-22 Vol II. PgNo.123.Item No14.3.1)								
	WC Pan	Each	5				5.00		
							5.00		
	A)Up to125% of quantity						**2.50**	5339.00	**13347.50**
	B)Above 125% of quantity						**2.50**	5312.26	**13280.64**
	Basic Rate	5005.00							
	Area Weightage 10%	500.50							
	Sub Total	**5505.50**							
	Tender premium(-3.51%)	-193.24							
	Total Rs	**5312.26**							
67	PTMT grating 100 mm dia.(PWD SR 2021-22 Vol II. PgNo.A-26 Item No 470)								
	Grating	Each	5				5.00		
							5.00	17.00	**85.00**
68	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the wallswherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15								
	Wash Basin	Each	5				5.00		
							5.00	2697.00	**13485.00**
69	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.2.2)								
	Bib Cock	Nos.	10				10.00		
							10.00	367.00	**3670.00**

70	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.3.2)								
	Stop Cock	Nos.	6				6.00		
							6.00	367.00	**2202.00**
71	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore (PWD SR 2021-22 Vol II. PgNo 115.Item No 13.5.2)								
	Valve	Nos.	6				6.00		
							6.00	370.00	**2220.00**
72	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete. (PWD SR 2021-22 Vol II. PgNo 128 Item No 14.31)								
	Mirror	Each	6				6.00		
							6.00	1035.00	**6210.00**
73	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) 20mm nominal dia pipes (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 10 .Item No 13.32.2)								
	Pipe	Mtr	1	60.00			60.00		
							60.00		
	A)Up to125% of quantity						**43.75**	397.00	**17368.75**
	B)Above 125% of quantity						**16.25**	395.90	**6433.35**
	Basic rate	373.00							
	Area Weightage 10%	37.30							
	Sub Total	**410.30**							
	Tender premium(-3.51%)	-14.40							
	Total Rs	**395.90**							
74	Providing and fixing on wall face unplasticised rigid PVC rain water pipes conforming to IS:13592 Type A, including jointing with seal ring conforming to IS:5382, leaving 10mm gap for thermal expansion, [i] single socketed pipes 100mm diameter (PWD SR 2021-22 1st Corrigenda Vol II. SL No. 27 .Item No 13.48)								
	Rain Water pipes	Mtr	2	9.00			18.00		
	Sanitary Line		1	12.00			12.00		
							30.00	269.00	**8070.00**
75	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments2 HP, Size 50x40 Head 22M, Discharge 186 LPM (PWD SR 2021-22 Vol V. Pg No. 164 .Item No 46.2)								
	Motor	Each	1				1.00		
							1.00	18640.00	**18640.00**
	Electrical Connection								
76	Open conduit System: Supplying heavy gauge PVC conduit pipe ……dia confirming to IS 2509 with suitable size bends, plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using WF screws.a) 19/20mm dia 2mm thick (PWD Electrical SR 2021-22 Chapter 1 PgNo 1.Item No 1.1.1)								
		Mtr	1	180.00			180.00		
							180.00	65.61	**11810.38**
	Basic Rate	68.00							
	Tender premium(-3.51%)	-2.39							
	Total Rs	**65.61**							
77	Supplying and flush mounting teak wooden box without front plank, made of not less than 15mm thick wood, after due groove cutting, necessary masonry patch work complete. d)8''x6''x3''(203x152x76mm) (PWD Electrical SR 2021-22 Chapter 1 PgNo 2.Item No 1.6.4)								
		Each	6				6.00		
							6.00	72.37	**434.21**
	Basic Rate	75.00							
	Tender premium(-3.51%)	-2.63							

	Total Rs	72.37							
78	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials a) Short point upto 3Mtr from tapping point to out let via switch(PWD Electrical SR 2021-22 Chapter 2 PgNo 2.Item No 2.1.1)								
		Point	6				6.00		
							6.00	266.31	**1597.87**
	Basic Rate	276.00							
	Tender premium(-3.51%)	-9.69							
	Total Rs	**266.31**							
79	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materials b) Medium point above 3Mtr upto 6Mtr from tapping pointr to out let via switch(PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.1.2)								
		Each	6				6.00		
							6.00	372.45	**2234.71**
	Basic Rate	386.00							
	Tender premium(-3.51%)	-13.55							
	Total Rs	**372.45**							
80	Point wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit/casing caping using Copper PVC insulated multi strand 2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixied on the exisiting plastic sheet /gang box, the pther end of the wires shall be terminated with sufficient loose length in a wood/PVC round block.complete for each outlet. I. Point wiring using class A materialsc)Long point above 6Mtr upto 10Mtr from tapping point to out let via switch (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.1.3)								
		Each	6				6.00		
							6.00	547.10	**3282.59**
	Basic Rate	567.00							
	Tender premium(-3.51%)	-19.90							
	Total Rs	**547.10**							
81	Supplying 6A flush/projected type socket and a 6 amps flush/ projected type SP switch either surface/flush mounting in a exisiting gang box or in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required. b) 6Amps 3/5 way (PWD Electrical SR 2021-22 Chapter 2 PgNo 5.Item No 3.1.2)								
		Each	5				5.00		
							5.00	137.98	**689.90**
	Basic Rate	143.00							
	Tender premium(-3.51%)	-5.02							
	Total Rs	**137.98**							
82	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.a) 1.5 sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.2)								
		Mtr	1	220.00			220.00		
							220.00	25.09	**5519.23**
	Basic Rate	26.00							
	Tender premium(-3.51%)	-0.91							
	Total Rs	**25.09**							
83	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.b)2.5Sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.3)								
		Mtr	1	250.00			250.00		
							250.00	38.60	**9649.00**
	Basic Rate	40.00							
	Tender premium(-3.51%)	-1.40							
	Total Rs	**38.60**							

84	Wiring for lighting/power circuit using one of FLRS PVC insulated 1100v grade, multis and CopperWITH LOW conductor single core cable in open or consealed system of wiring.I Group A Materials.c) 4 sqmm (PWD Electrical SR 2021-22 Chapter 2 PgNo 3.Item No 2.3.4)								
		Mtr	1	280.00			280.00		
							280.00	56.93	**15940.15**
	Basic Rate	59.00							
	Tender premium(-3.51%)	-2.07							
	Total Rs	**56.93**							
85	Supplying 4mm thick plastic sheet with necessary niches for fixing switches, regulators etc., and fixing on exisiting wood or metal box using N.F.screws (PWD Electrical SR 2021-22 Chapter 2 PgNo 6.Item No 3.8)								
		Sq cm	1500				1500.00		
							1500.00	0.28	**419.73**
	Basic Rate	0.29							
	Tender premium(-3.51%)	-0.01							
	Total Rs	**0.28**							
86	Supplying and fixing retrofit type -PL-LED lamp…W LED linear Source with CCT 6500 degree K, CRI>70%efficacy>80 lumen per watt,life>25000 burning hours and compliance to IS 10322/IEC 60598,LM 79 and LM80.The LED are driven by HF electronicdriver integrated in the system, with PF>0.95, power loss Should <5% of lam Wattage.,short Circuit and open circuit Protection to be integrated Circuit, THD less than 20%,life as per LM79.the operating input voltage should be between130 t 275 volts.Tested by NABL/CPRI accredited laboratory with 2 years Warranty agnist any manufacturing defect working under standard electrical condition.18-20Watts (PWD Electrical SR 2021-22 Chapter 11 PgNo 34.Item No 11.2.2)								
		Each	35				35.00		
							35.00	666.75	**23336.11**
	Basic Rate	691.00							
	Tender premium(-3.51%)	-24.25							
	Total Rs	**666.75**							
87	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than T8 lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply(PWD Electrical SR 2021-22 Chapter 12 PgNo 40.Item No 12.18.1)								
		Each	15				15.00		
							15.00	127.37	**1910.50**
	Basic Rate	132.00							
	Tender premium(-3.51%)	-4.63							
	Total Rs	**127.37**							
88	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with plank made out of not more than 2 pices and fixing the same to the wall using tapered inverted woode plug screws etc., a) 20"x20"2.5" (PWD Electrical SR 2021-22 Chapter 5 PgNo 10.Item No 5.6.6)								
		Each	6				6.00		
							6.00	303.94	**1823.66**
	Basic Rate	315.00							
	Tender premium(-3.51%)	-11.06							
	Total Rs	**303.94**							
89	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.a) 32Amps (PWD Electrical SR 2021-22 Chapter 5 PgNo 10.Item No 5.7.2)								
		Each	6				6.00		
							6.00	192.98	**1157.88**
	Basic Rate	200.00							
	Tender premium(-3.51%)	-7.02							
	Total Rs	**192.98**							
90	Supply of an load charge over switches 4poles 415v 50Hz A.C supply with AC23A duty a) up to 63amps Groups A (PWD Electrical SR 2021-22 Chapter 5 PgNo 11.Item No 5.11.1)								
		Each	1				1.00		
							1.00	5003.01	**5003.01**
	Basic Rate	5185.00							
	Tender premium(-3.51%)	-181.99							
	Total Rs	**5003.01**							

91	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. e)6-32amps TPN . Group A (PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.17.9)								
		Each	6				6.00		
							6.00	2314.80	**13888.77**
	Basic Rate	2399.00							
	Tender premium(-3.51%)	-84.20							
	Total Rs	**2314.80**							
92	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C type curve indicator ON/OFF Energy cross 3 with short circuit breaking capacity of 10K and complete wiring as required. 6-32amps TPN Group A (PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.17.7)								
		Each	6				6.00		
							6.00	1714.63	**10287.76**
	Basic Rate	1777.00							
	Tender premium(-3.51%)	-62.37							
	Total Rs	**1714.63**							
93	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 A three phase 4 wire whole current class-1 Accuracy Energy Meter.(PWD Electrical SR 2021-22 Chapter 5 PgNo 13.Item No 5.35)								
		Each	2				2.00		
							2.00	4945.11	**9890.23**
	Basic Rate	5125.00							
	Tender premium(-3.51%)	-179.89							
	Total Rs	**4945.11**							
94	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 thick Gl pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. the connection form the pipe to the conduit etc, is to be established through Gl wire of size as oer ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 12mm dia								
		Nos.	2				2.00		
							2.00	2893.74	**5787.47**
	Basic Rate	2999.00							
	Tender premium(-3.51%)	-105.26							
	Total Rs	**2893.74**							
95	Supplying and running of GI/Copper strips for grounding connections using necessary fixing material as required GI strip 25x3mm								
		Mtr	1	30.00			30.00		
							30.00	72.37	**2171.03**
	Basic Rate	75.00							
	Tender premium(-3.51%)	-2.63							
	Total Rs	**72.37**							
96	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class.I. Class 'A' PVC Cable.d) 4 core 16 sqmm								
		Mtr	1	35.00			35.00		
							35.00	144.74	**5065.73**
	Basic Rate	150.00							
	Tender premium(-3.51%)	-5.27							
	Total Rs	**144.74**							
97	Labour charges for lying of 1.1 KV class UG cable when supplied agency in existing trench Gl pipe / stoneware pipe / on wall /on pole as required. I. In existing trench/duct.a) 6 sqmm to 16 sqmm								
		Mtr	1	35.00			35.00		
							35.00	11.46	**401.21**
	Basic Rate	11.88							
	Tender premium(-3.51%)	-0.42							
	Total Rs	**11.46**							

98	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. .a) In soil (ordinary)								
		Mtr	1	25.00			25.00		
							25.00	73.33	**1833.31**
	Basic Rate	76.00							
	Tender premium(-3.51%)	-2.67							
	Total Rs	**73.33**							
99	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. a) 40mm								
		Mtr	1	4.00			4.00		
							4.00	323.24	**1292.97**
	Basic Rate	335.00							
	Tender premium(-3.51%)	-11.76							
	Total Rs	**323.24**							
100	Supplying &fixing L.T.cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers ect.b) 16 Sqmm								
		Each	2				2.00		
							2.00	260.52	**521.05**
	Basic Rate	270.00							
	Tender premium(-3.51%)	-9.48							
	Total Rs	**260.52**							
101	Supply wall mountaing fan suitable to operate of single phase -230v A.C supply 400mm sweep a.group A (PWD Electrical SR 2021-22 Chapter 6 PgNo 23.Item No 6.5.2)								
		Each	5				5.00		
							5.00	2738.39	**13691.93**
	Basic Rate	2838.00							
	Tender premium(-3.51%)	-99.61							
	Total Rs	**2738.39**							
								Total RS	**3271011.45**
								Add 18% of GST Charges RS	**588782.06**
102	Miscellaneous and unforcean Charges	L/S							206.49
								Grand Total RS	**3860000.00**
(Rupees Thirty Eight Lakh Sixty Thousand Only)									

CERTIFICATE:

1) The work spot has been inspected and found to be necessary
2) The work spot comes under B.B.M.P
3) The provisions made in the estimate are necessary and minimum.
4) The estimate is based on C.S.R of 2021-2022, Data rates, issued rates and Corigenda 1&2.

Assistant Engineer
Ward No-03

Executive Engineer
Yelahanka Division
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

Technical Sanction
Accorded For Rs. 38,60,000.00
Head of A/C. 3225.....
CER NO :...22..... Dt:... 21/05/23

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98	Digging of trench of 0.6 m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc.,complete. .a) In soil (ordinary)								
		Mtr	1	25.00			25.00		
							25.00	73.33	**1833.31**
	Basic Rate	76.00							
	Tender premium(-3.51%)	-2.67							
	Total Rs	**73.33**							
99	Supplying and fixing of class A (medium duty) GI pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. a) 40mm								
		Mtr	1	4.00			4.00		
							4.00	323.24	**1292.97**
	Basic Rate	335.00							
	Tender premium(-3.51%)	-11.76							
	Total Rs	**323.24**							
100	Supplying &fixing L.T.cast iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers ect.b) 16 Sqmm								
		Each	2				2.00		
							2.00	260.52	**521.05**
	Basic Rate	270.00							
	Tender premium(-3.51%)	-9.48							
	Total Rs	**260.52**							
101	Supply wall mountaing fan suitable to operate of single phase -230v A.C supply 400mm sweep a.group A (PWD Electrical SR 2021-22 Chapter 6 PgNo 23.Item No 6.5.2)								
		Each	5				5.00		
							5.00	2738.39	**13691.93**
	Basic Rate	2838.00							
	Tender premium(-3.51%)	-99.61							
	Total Rs	**2738.39**							
							Total RS		**3271011.45**
							Add 18% of GST Charges RS		**588782.06**
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